

1. A method of communicating between a wireless unit and a packet data network,
comprising the steps of:

 sending a setup packet requesting a wireless resource over a circuit switched link
between said wireless unit and a base station to establish a data session between said wireless
unit and said packet data network;

 receiving the wireless resource over a packet switched link in response to the sent setup
packet; and

 sending data packets for said data session on said wireless resource.
2. The method of claim 1, further comprising:

 establishing said circuit switched link between said wireless unit and said base station.
3. The method of claim 1, wherein said setup of sending a step packet further includes:

 using an established circuit switched link between said wireless unit and said base station.
4. The method of claim 3, further comprising:

 multiplexing said setup packet with a traffic frame over said circuit switched
link.
5. The method of claim 4, wherein said step of multiplexing further includes:

 multiplexing said setup packet with a voice frame over said circuit switched link.

6. The method of claim 5, further comprising:
maintaining said circuit switched link for at least the duration of a voice call on said circuit switched link.
7. The method of claim 2, further comprising:
maintaining said circuit switched link for at least the duration of a link layer connection under said data session.
9. The method of claim 1, wherein said step of sending data packets further includes:
using temporary assignments of supplemental channels as said wireless resource for sending said data packets for said data session.
10. The method of claim 1, wherein said step of sending data packets further includes:
sending data packets for said data session on a reverse circuit switched link from said wireless unit to a base station.
11. The method of claim 1, wherein said step of sending data packets further includes:
sending data packets for said data session on a forward circuit switched link from a base station to said wireless unit.
12. The method of claim 1, wherein said step of sending a setup packet further includes:

sending, by said wireless unit, a setup packet over said circuit switched link to establish said data session between said wireless unit and said packet data network.

13. The method of claim 1, wherein said step of sending a setup packet further includes:
sending, by said base station, a setup packet over said circuit switched link to establish said data session between said wireless unit and said packet data network.

Please add the following New Claim:

- 14. A method of communicating between a wireless unit and a base station serving a packet data network, comprising:

receiving a setup packet requesting a wireless resource over a circuit switched link between said wireless unit and said base station, to establish a data session between said wireless unit and said packet data network;

allocating the wireless resource over a packet switched link in response to the received setup packet; and

receiving data packets for said data session on said wireless resource.--

REMARKS

Claims 1-7 and 9-14 are in the application, claim 8 having been canceled, and new claim 14 having been added. Reconsideration in view of the following remarks is kindly requested.